



Name \_\_\_\_\_ Period \_\_\_\_\_

Activity Sheet SS3-1

# Understanding Patterns and Functions

Directions: The following are patterns and functions. Find the Function from the pattern or create the Pattern from the Function for the following:



1. 1, 2, 3, 4, 5, ... Function: \_\_\_\_\_

2. -1, -2, -3, -4, -5, ..... Function: \_\_\_\_\_

3. 3, 6, 9, 12, 15, .... Function: \_\_\_\_\_

4. 5, 10, 15, 20, 25, ..... Function: \_\_\_\_\_

5. 2, 4, 6, 8, 10, .....  Function: \_\_\_\_\_

6. 1, 3, 5, 7, 9, 11, ..... Function: \_\_\_\_\_

7. 1, 1.5, 2, 2.5, 3, 3.5, ... Function: \_\_\_\_\_

8. ~~.....~~ Function: ~~.....~~

9. -1, -2, -3, -4, -5, ..... Function: \_\_\_\_\_

10. 2.5, 7.5, 12.5, 17.5, ..... Function: \_\_\_\_\_

11. 0, 13, 26, 39, 52, ..... Function: \_\_\_\_\_

12. 3, 5, 7, 9, 11, ..... Function: \_\_\_\_\_

13. -5, 1, 7, 13, 19, .....  Function: \_\_\_\_\_

14. -1, 2, 5, 8, 11, ..... Function: \_\_\_\_\_

15. 1, 4, 7, 10, 13, .... Function: \_\_\_\_\_

16. -16, -13, -10, -7, ..... Function: \_\_\_\_\_

17. 100, 110, 120, 130, 140, ..... Function: \_\_\_\_\_

18. 1, 2, 5, 10, 17, .....  Function: \_\_\_\_\_

19. -1, 4, 9, 14, 19, ..... Function: \_\_\_\_\_

20.  $y = x + 4$

21.  $y = 3x - 2$

22.  $y = 2x + 1$

23.  $y = -x + 2$

24.  $y = 5x - 3$

25.  $y = \frac{1}{2}x$

26.  $y = .75x + 1$

27.  $y = 4x - 3$

28.  $y = -3x - 1$

29.  $y = -5x + 5$

30.  $y = 6x - 3$

31.  $y = 7x + 4$

32.  $y = 10x - 4$

33.  $y = \frac{1}{3}x + 1$

34.  $y = \frac{1}{7}x - 7$

35.  $y = .25x + .5$

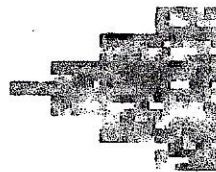
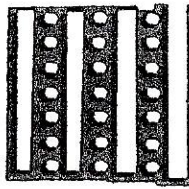
36.  $y = 5x - 3x$

37.  $y = 8x - (x + 2)$

38.  $y = -2x + (x - 1)$

39.  $y = 100x - 30x + 15$

40.  $y = \$1.25x + .50$



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